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JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

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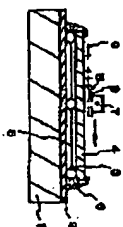
(22) Date of filing: 31.07.1991 (72) Inventor: MATSUZAWA JUN  
MATSUOKA HIROSHI  
UCHIDA TAKESHI  
SUZUKI KAZUOKO  
YAMAGUCHI MASANORI

## (34) ELECTROPHORECTIC DISPLAY DEVICE

## (57) Abstract:

**PURPOSE:** To provide the electrophoretic display device which can maintain display quality excellent over a long period of time.

**CONSTITUTION:** A transparent substrate 1 is a glass plate and a transparent conductive film 2 is formed over the entire surface thereof. A polyethylene terephthalate film having 100  $\mu$ m thickness is used as a rear substrate 4 and is disposed to face the transparent substrate 1 by adhering and fixing via a spacer 3, by which a space is formed. A film-like migrating body 5 config. fine particles and liquid varying in color from the color of the fine particles are packed in this space and thereafter, the space is hermetically sealed by an adhesive 6, by which the electrophoretic display device is constituted. The film



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formed of a dispersion prepd. by dispersing the fine particles treated with a coupling agent having a vinyl group into a vinyl compd. having a vinyl group at its terminal or the film formed from a dispersion prepd. by dispersing the fine particles treated with a coupling agent having an amino group or glycidyl group into an epoxy resin is used as the film-like migrating body 5 config. the fine particles.

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